Haier

Haier Refrigerators

Model: HB21FNN HB21F
HB21FSS HRF-649F
HR750FD HFD647SSI
HFD647SS

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- Please read this User Manual carefully before use.
- Please keep this User Manual in a safe place.
- Your refrigerator could be slightly different from that illustrated herein with respect to appearance, color or painting.

Dear Customer

Thank you for purchasing Haier product.

Haier product is of supreme quality and superior performance. Please read these instructions and following the procedures described herein. You are enjoying the International Star Service from Haier. For any question you may have, please make your request for service by contacting our service centers at the telephone numbers or address specified in the Letter of Warranty.

Haier – Sincere forever!

The product specifications are subject to change from time to time due to product improvement without further notice.

Features

- Ice making

  A built-in automatic icemaker will produce ready-to-use ice cubes based on your preference.

- Chill drawer for delicatessen

  The delicatessen drawer at the bottom of the refrigerator compartment is intended for storage of delicatessen within the temperature range from -2°C to +3°C.

- Slide-out shelf for easy food access

  The refrigerator compartment is equipped with slide-out shelves for easy loading and unloading. The shelves can be removed when the door is in the right-angle position.

- Artificial Intelligent (AI)

  The optimum refrigeration performance is secured based on the inner temperature and the ambient temperature without manual intervention.

- Super slim, super large and super luxurious

  Compact dimensions, large capacity, spacious refrigerator compartment and freezer compartment, supreme internal and external design

- CFC-free and frost-free deep freezing enabled by efficient air cooling system

- Air Curtain technology

  The air curtain located at the front end of the refrigerator compartment is intended to provide the desired food storage by preventing invasion of warm air and facilitating equal distribution of cooled air.

- Cooling before defrosting to prevent thawing

  A pre-cooling process will be activated based on the inner temperature measured to avoid the adverse impact of temperature rise on food stored in the refrigerator.

- Optimized refrigeration performance and long service life of compressor enabled by efficient condenser unit and fan motor

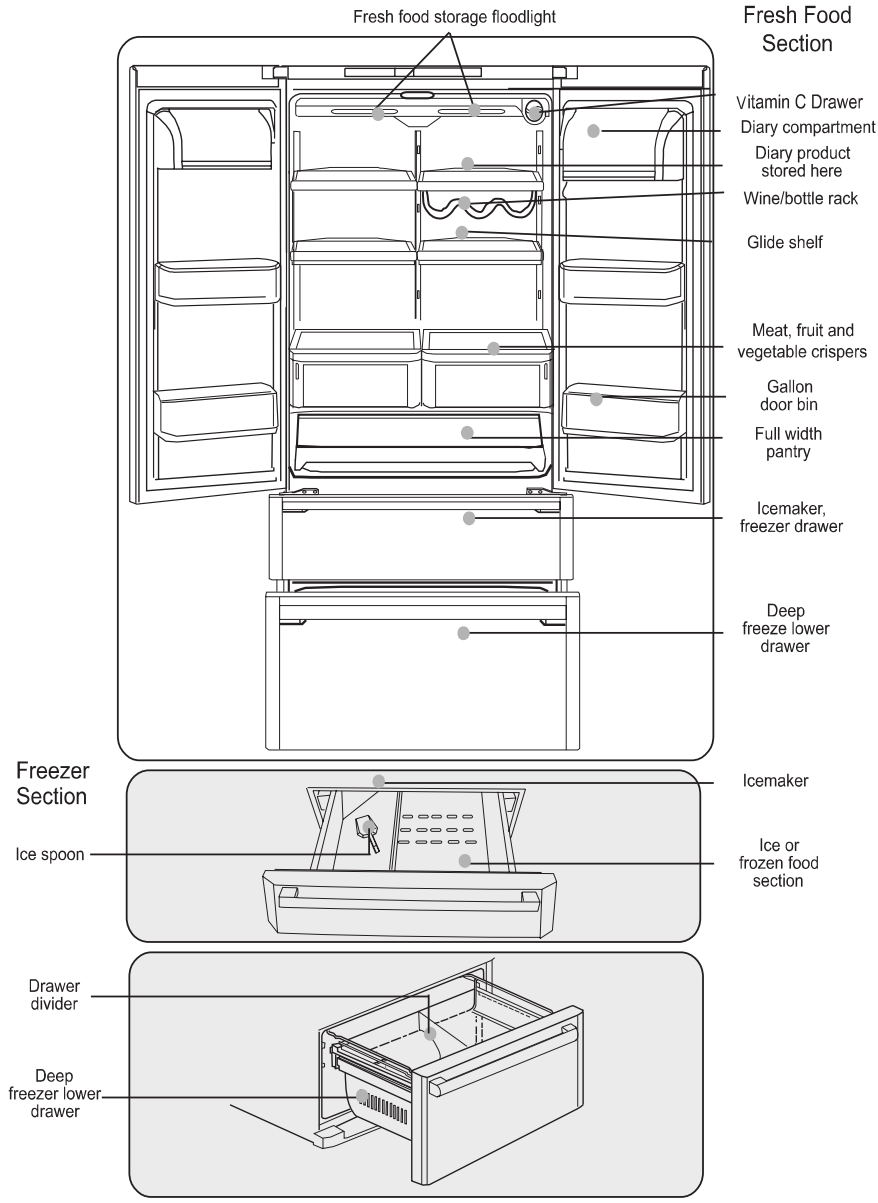
- Door-open alarm, touch button and large-screen LCD display

- Vitamin C technology for fresh food storage

  The Vitamin C technology effectively keeps the food fresh for a longer period of time while eliminating the unpleasant odor.

- Smooth and effortless drawer slideway

Names of parts



Note

When reviewing this manual for your features some models may differ in appearance from what is shown in the manual.

Safety Alert Symbols

Dear Customer
Thank you for using Haier product. For better understanding of this user manual and safe use of the product, please make sure the safe messages following these safe symbols are observed:

Prohibition	A Prohibition symbol indicates behaviors that are likely to cause product damage or personal injury and therefore are prohibited.
Warning	A Warning symbol indicates information related to product safety and personal injury, and instructions following this symbol should be immediately observed.
Caution	A Caution system indicates information related to product safety and personal injury and instructions following this symbol should be observed.

Safety Precautions

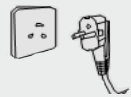
Power supply: AC 220V/50HZ

If the voltage fluctuates violently (beyond 187~242V), it is necessary to use a voltage stabilizer of 750W or above to prevent startup failure, damaged control board or compressor, or unusual noise.

The appliance must be plugged into a dedicated outlet that is securely grounded.

The power cord of this appliance is fitted with the three-prong plug (grounded) that complies with the standard three-prong outlet (grounded). Never cut off or remove the third prong. The refrigerator should be located so that the plug is accessible.

WARNING! The plug should be securely connected to the socket or otherwise fire

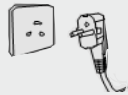


Be careful not to damage the power cord.

- Always pull at the plug other than the cord itself to disconnect the appliance from the outlet.
- Route the power cord in a way to eliminate the risk of damage caused by the weight of refrigerator or treading.
- Be careful not to damage the power cord when moving the appliance away from the wall.

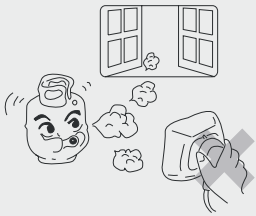
When the power cord is damaged

The use of cracked cord or worn plug is strictly prohibited. If the power cord is damaged, it should be replaced in an authorized service center.



When there is a gas leakage

- Shut off the gas valve.
- Open the doors and windows for ventilation.
- Do not plug or unplug the refrigerator or other electric appliances.



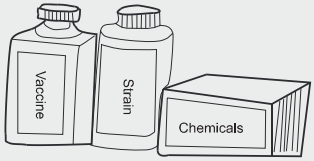
Always remember to unplug the appliance in the following cases:

- Unplug the appliance before cleaning and reparation.
- Unplug the appliance before replacing the old light bulb to prevent electric shock.

Safety Precautions

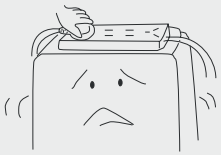
Never store inflammable or explosive items and strong corrosive acids or alkalis in the appliance.

This appliance is a household refrigerator, which is produced in accordance with the specification of national standard. It is intended for food storage only, not for storage of blood, medicine and biological products.



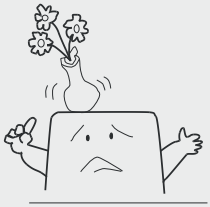
To prevent risk of fire, keep the appliance away from gasoline or any other inflammables.

To prevent risk of electromagnetic interference or other accidents, do not place any patch panel, voltage stabilizer and microwave oven on top of the refrigerator or use any electric appliance (unless recommended by the manufacturer) inside the refrigerator.



Children are not allowed to play with the door or the bottle racks. Serious injury may occur. Do not walk on the door or the cabinet when loading and unloading the refrigerator. Do not sit on the drawers.

The internal surface of freezer compartment is very cold when the appliance is running. Do not touch the surface especially when hands are wet.



Safety Precautions

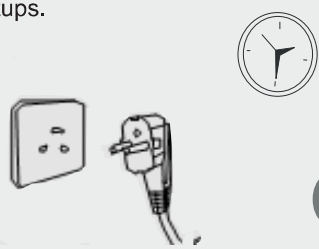
Hold the door handle when opening and closing the door.The gap between the doors and the gap between the doors and the cabinet are very small. Make sure figures do not get stuck. Always keep children away when a door is opened or closed.

Do not splash water onto the refrigerator. Keep off places of high humidity that may have adverse effect on the electric insulation performance.

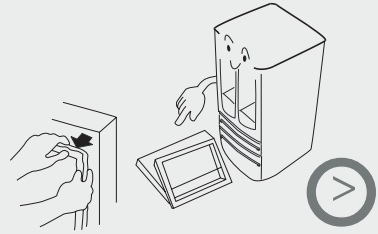
No dismantlement or modification can be made without authorization. Damage to refrigeration system is strictly prohibited. Reparation must be carried out by authorized personnel.

Bottled beer or beverage should not be stored in the freezer compartment – risk of explosion.

Unplug the appliance in the event of power interruption or cleaning. The appliance can be plugged again only after an interval of at least 5 minutes to prevent damage to the compressor caused by frequent startups.



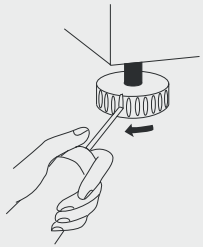
Please remove the door, door seal and shelves before disposal of the old appliance and put them away in a safe place to prevent children from being entrapped.



Location

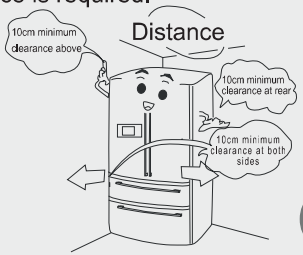
Levelling

The appliance should stand firmly on solid floor. To support it, use firm and solid pads that are inflammable. Never use the packaging materials for supporting. Level the appliance with the adjustable legs whenever necessary. Turn clockwise to raise the refrigerator, and anticlockwise to lower it.

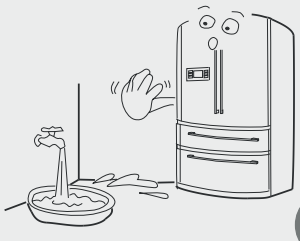


Do not expose the appliance to direct sunlight or heat source.

The appliance should be placed in a well ventilated room. 10cm minimum clearance at both sides and at rear surface is required.



Do not expose the appliance to rain and moisture. Keep the appliance dry and clean to prevent rust and deterioration of electric insulation.



To prevent risk of injury and accident, do not place heavy load and water container on top of the refrigerator.

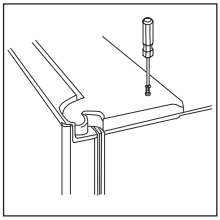
Removing & Replacing Door

NOTE

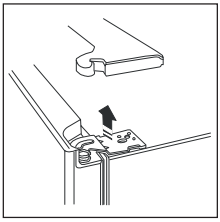
To avoid injury, property loss or damage to the refrigerator, make sure to remove all food from door racks and then remove bottle bin(s), unplug the refrigerator and shut off water supply before removing and replacing a door.To avoid injury or property loss, remove or replace the door with the help of 2 persons or more. The following instructions should be observed.Be careful to prevent the door from falling onto you when lifting the door from the hinge.To prevent the risk of suffocation, keep children and pets away from the drawers, in case they may get entrapped in the drawers.

Removing and replacing the right door of refrigerator compartment

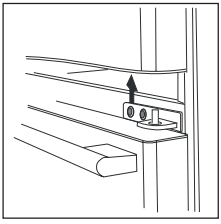
① Unscrew the upper right hinge cover by means of screwdriver and then remove the hinge cover.



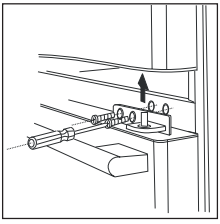
② Unscrew the upper right hinge by means of hexagonal screwdriver and then remove the hinge.



③ Remove the door and place it in a proper position.



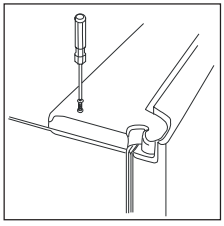
④ Remove the middle hinge if necessary.



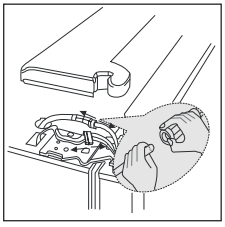
⑤ Replace the door in a reverse sequence of removal.

Removing and replacing the left door of refrigerator compartment

① Unscrew the upper left hinge cover by means of screwdriver and then remove the hinge cover.

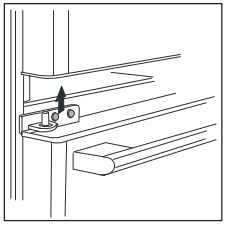


② Unscrew the upper left hinge by means of hexagonal screwdriver and then remove the hinge.

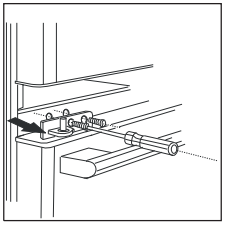


Removing & Replacing Door

③ Remove the door and place it in a proper position.



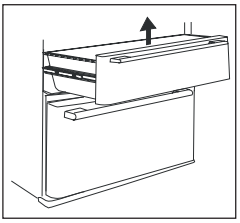
④ Remove the middle hinge if necessary.



⑤ Replace the door in a reverse sequence of removal.

Removing & Replacing Ice Bin

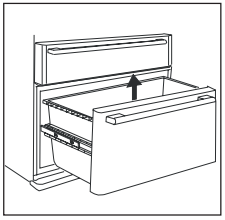
① Pull out the ice bin entirely and remove it from the refrigerator.



② Replace the ice bin in a reversal sequence to removal.

Removing & Replacing Freezer Drawer

① Pull out the freezer drawer entirely and remove it from the refrigerator.

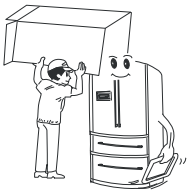


② Replace the freezer drawer in a reversal sequence to removal.

Preparation

① Remove all packaging materials.

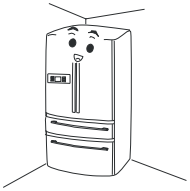
Foam support and adhesive tapes should be removed.



② Check the accessories and literature.

Check the accessories in accordance with the packing list. Any doubt, contact the dealer.

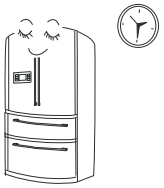
③ Locate the appliance in a proper position. See “Location”.



④ It is recommended to clean the appliance before operation.

⑤ Standstill

To ensure normal operation, allow the appliance to stand still for 6 hours or longer after installation and cleaning.



Note

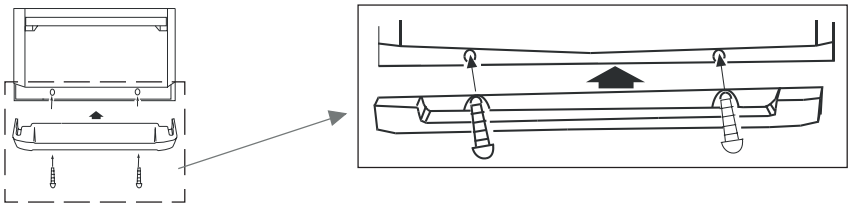
Please write down the model number and serial number in Letter of Warranty for later reference.

⑥ Installing Bottom Trim

Open the door of refrigerator compartment and take out the bottom trim. Fasten it to the bottom of refrigerator with screws as illustrated.

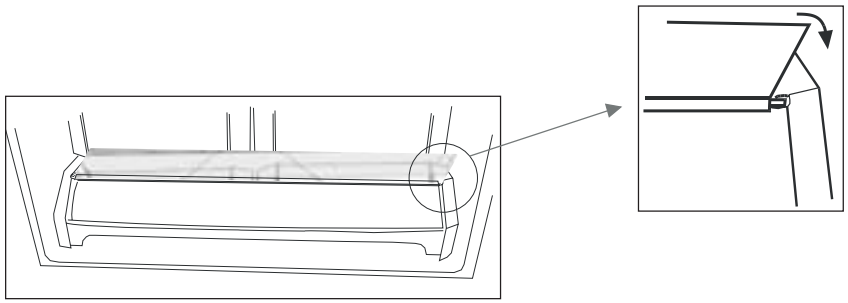
NOTE

Wear a pair of gloves to protect your hands when removing or installing the bottom trim and adjustable legs of the refrigerator.



⑦ Installing front cover of delicatessen drawer

Open the door of refrigerator compartment. Take out the front cover of delicatessen drawer from the crisper cover. Then place the rotary shaft at both ends of the drawer into the supporting slot of the slide guide, and turn the front cover of delicatessen drawer down.



⑧ Assembly of the Door Handle

Take out the door handles from the refrigerator compartment (2 longer handles to be installed on the refrigerator and 1 shorter handle to be installed on the freezer). The following instructions should be observed.

Assembly of the Refrigerator Door Handle

Please following the below operations when you are assembling the Refrigerator Door Handle:

1)Put the Handle Connector into the right holes on the Refrigerator Door with the help of screwdriver.(as showing by the arrow 1 of illustration 1)
2)Put the Refrigerator Door Handle onto the handle holder,and keep the hole of the handle holder and the handle connector to the right position of the vertical direction. (as showing by the arrow 2 of illustration 2)
3)Insert the Connecting Bolt of the Handle into the two holes of the Handle Holder with the help of Six angle Screwdriver.(as showing by the arrow 1 of illustration 2)
4)Fix the cover of top bolts to the right position. (as showing by the arrow 2 of illustration 2)
5)When you are disassembling the Refrigerator door handle,please operate as the opposite way of assembling.

Attention:

In case of no any special need,please do not disassemble the Refrigerator door handle,In case of any need to change the handle,please get in touch with the technicians

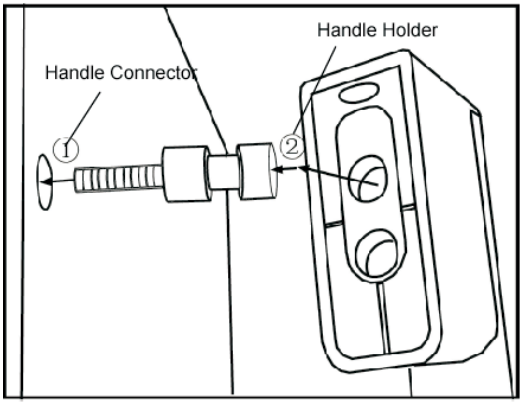


illustration 1

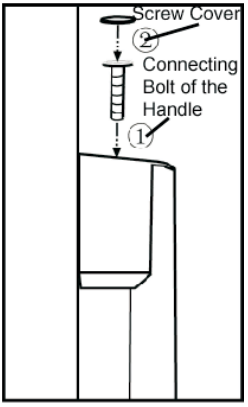


illustration 2

Assembly of the Freezer Door Handle

Please following the below operations when you are assembling the Freezer Door Handle:

1)Put the Handle Connector into the right holes on the Freezer Door with the help of screwdriver.(as showing by the arrow 1 of illustration 1)

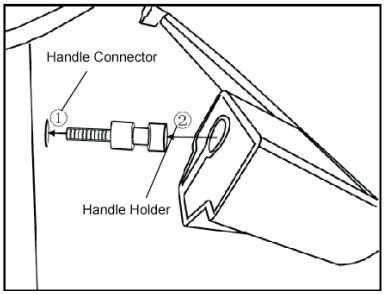
2)Put the Freezer Door Handle onto the handle holder,and keep the hole of the handle holder and the handle connector to the right position of the vertical direction.(as showing by the arrow 2 of illustration 2)

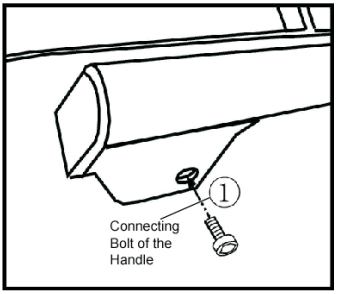
3)Insert the Connecting Bolt of the Handle into the two holes of the Handle Holder with the help of Six angle Screwdriver.(as showing by the arrow 1 of illustration 2)

4)When you are disassembling the Freezer door handle,please operate as the opposite way of assembling.

Attention:

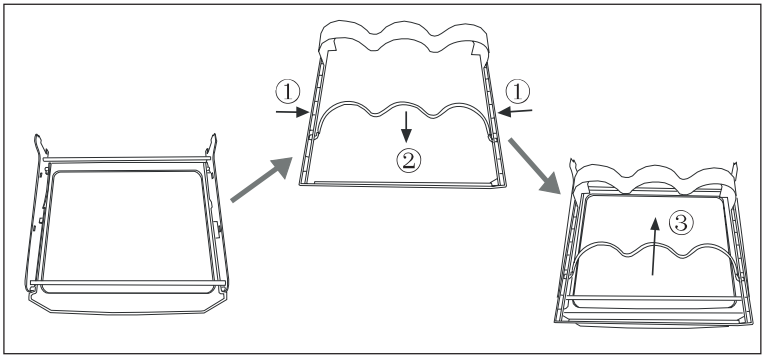
In case of no any special need,please do not disassemble the Freezer door handle,In case of any need to change the handle,please get in touch with the technicians





⑨ Installing wine shelf

Open the door of refrigerator compartment. Take out the food shelf at the upper left corner. Place the glass shelf downward on a table. Then take out the wine shelf from the delicatessen drawer at the bottom. Hold the wine shelf at both ends, attach it to the food shelf (as (1) shown below) and then push it in place (as (3) shown below).



Initial Use

① Connect the appliance to the power supply.

The appliance has a backup memory and the settings before a power interruption will be stored.
(See Backup Memory section on Page 18 for details)

② Operation Modes

NOTE

Once the AI mode is selected, there is no need to make any adjustment within a prescribed range of temperature, notwithstanding the changes in ambient temperature.

You can select one of the following operation modes.

(1) AI: Unless otherwise required, it is recommended that the AI mode is used. Tap the AI button and the indicator will illuminate. The appliance will start an automatic operation.
(See the AI Mode section on Page 15)

(2) Manual: Alternatively, you can adjust the inner temperature by means of the temperature control button.
(See the Temperature Setting & Regulation section on Page 17)

③ Loading the refrigerator

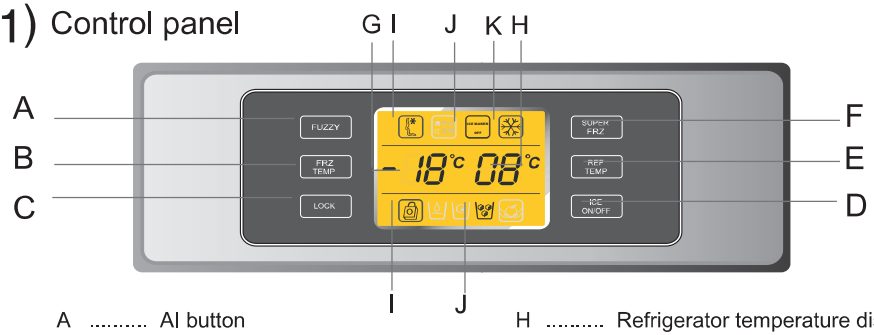
The inner compartment will be cold enough and ready for food storage after a couple of hours of non-load operation.

NOTE

When the temperature setting is adjusted, it takes some time to reach the desired inner temperature. The period will be longer or shorter, depending on the ambient temperature, amount of food and how often the door is opened.

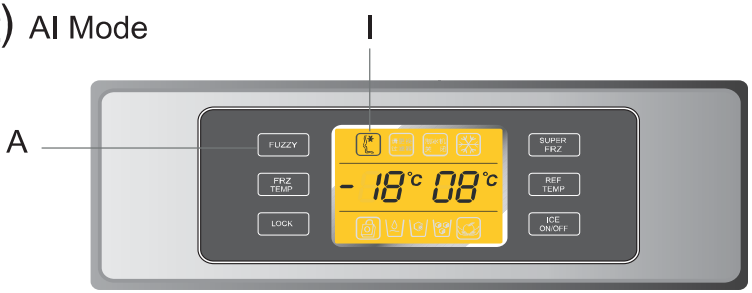
Functions

(1) Control panel



A ..... AI button
B ..... Freezer temperature control button
C ..... Lock / unlock button
D ..... Icemaker ON/OFF button
E ..... Refrigerator temperature control button
F ..... Fast freeze button
G ..... Freezer temperature display
H ..... Refrigerator temperature display
I ..... AI icon
J ..... Icemaker OFF icon
K ..... Fast freeze icon
L ..... Lock icon
M ..... Fast icemaking ON icon

(2) AI Mode

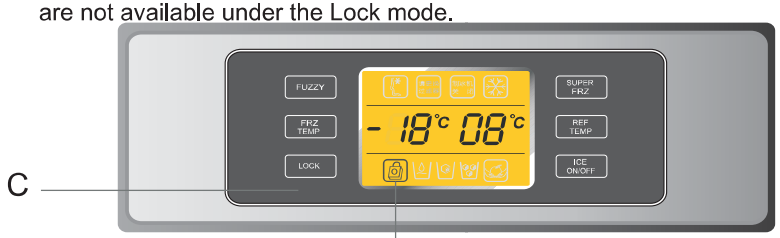


The AI mode means there is no need for manual intervention and the temperature setting will change automatically along with the ambient temperature and the inner temperature. Under the Unlock mode, the AI button (A) may be tapped to display the AI icon (I) and activate the AI mode. To quit the AI mode, tap the AI button (A) again. The AI icon (L) will disappear.

(3) Lock & Unlock

Under the Unlock mode, the Lock / Unlock button (C) may be tapped to display the Lock icon (L) and enter into the Lock mode. To quit the Lock mode, tap the Lock / Unlock button (C) again. The Lock icon (L) will disappear.

NOTE: Controls for selecting temperatures in refrigerator and freezer compartments and functions such as fast freeze, fast chill ,ice on/off and AI (artificial intelligence) are not available under the Lock mode.

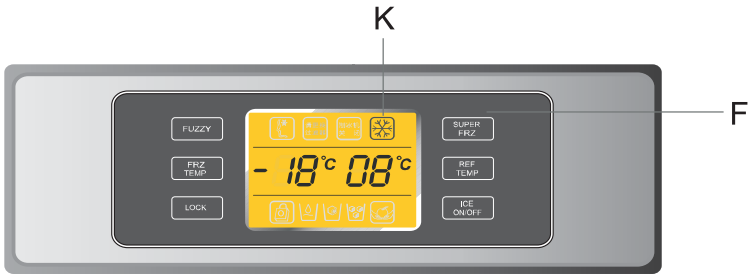


(4) Fast Freeze

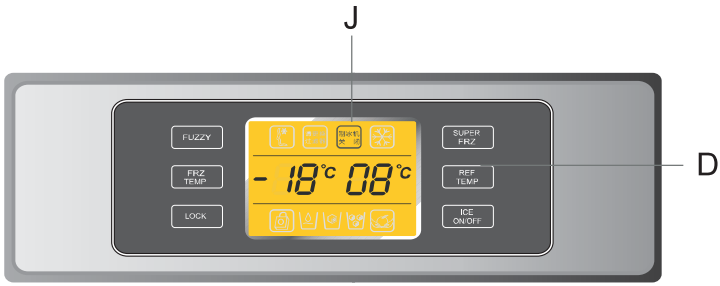
This function is intended for retaining nutrients contained in the food stored in the freezer by freezing the food fully within a short period of time.

Under the Unlock mode, the Fast Freeze button (F) may be tapped to display the Fast Free icon (K) and activate the Fast Freeze mode. To quit the Fast Freeze mode, tap the Fast Freeze button (F) again. The Fast Freeze icon (K) will disappear.

NOTE: The Fast Freeze mode is not available under the AI mode.



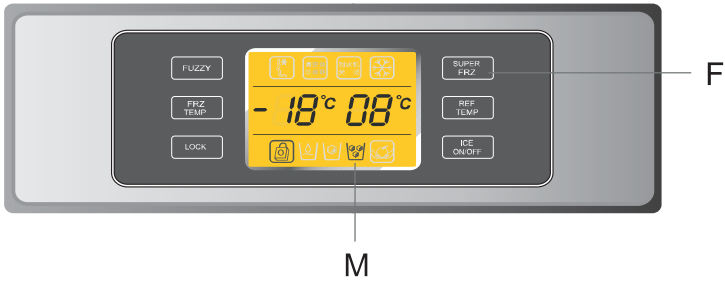
(5) ON/OFF setting of icemaker



The icemaker is activated upon the initial power-on of the refrigerator. The Icemaker OFF icon (J) is dark. If the icemaker is not needed for the moment, tap the Icemarker ON/OFF button (D) to turn off the icemaker. The Icemaker OFF icon (J) is displayed.

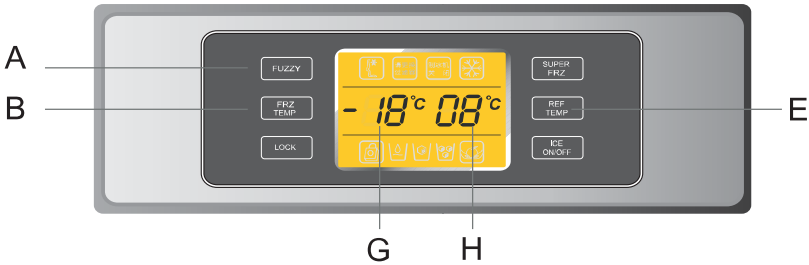
(6) Fast icemaking

Under the Lock mode, tap the ast Freeze button to display the Fast Freeze icon (M). The buzzer will give a beep and the Fast Icemaking will be activated. To quit the Fast Icemaking mode, tap the Fast Freeze button (F) again. The buzzer will give a beep and the Fast Icemaking icon (M) will disappear.



(7) Temperature Setting & Regulation

- Temperature setting & regulation: This function is available only when the AI mode is deactivated. The following instructions should be observed.



Functions

To set the refrigerator temperature: Under the Unlock mode, the refrigerator temperature control button (E) may be tapped. The refrigerator temperature display (H) will glisten. Each time the refrigerator temperature control button (E) is tapped, the display sequence is as follows:

7°C –5°C –3°C –2°C–1°C –7°C

To set the freezer temperature: Under the Unlock mode, the freezer temperature control button (B) may be tapped. The freezer temperature display (G) will glisten. Each time the freezer temperature control button (B) is tapped, the display sequence is as follows:

-16°C–- -17°C — -18°C —- -20°C— -22°C — -16°C

(8) Door-open Alarm

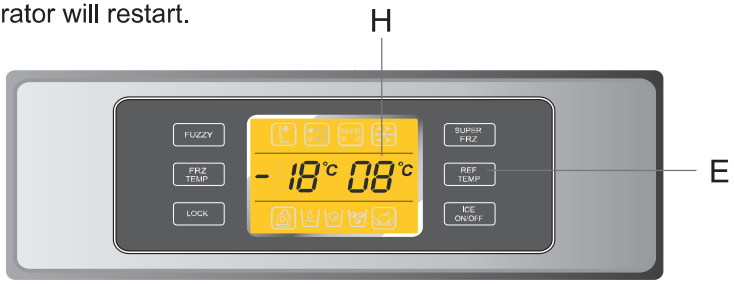
When the door is kept open or not properly closed, an audible alarm will be given once for a while until the door is closed.

(9) Economic Display Control

Once the operation of control panel is finished, the display screen will go dark after 30 seconds. The display is restored when a control button is tapped or a door is opened. However, this button operation will not change the existing settings of the refrigerator.

(10) Refrigerator On / Off Control

Under the Lock mode, hold the refrigerator temperature control button (E) 3 seconds to turn off the refrigerator. The refrigerator temperature display (H) will disappear while the refrigerator light will remain functional. Hold the refrigerator temperature control button (E) 3 seconds to turn on the refrigerator. The refrigerator temperature display (H) will illuminate and the refrigerator will restart.



(11) Backup Memory

The temperature settings will be memorized and, in case of a power interruption, restored after the power interruption is over.

About Refrigerator Compartment

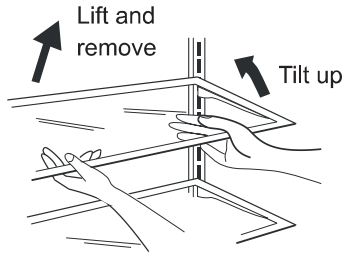
The refrigerator can be used for short-time food storage：

The average temperature of the compartment is about 0~10°C (-2~3°C in the delicatessen drawer). Therefore it is only used for short-time food storage and not suitable for keeping food fresh for a long time.

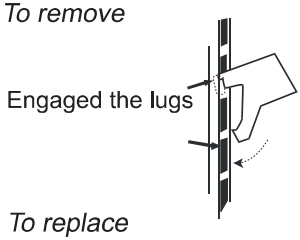
Height-adjustable Shelf

The height of shelf can be adjusted to meet your storage needs.

To adjust the shelf height, remove the shelf first. The steps are as follows: tilt the shelf up at front, and lift it up and out of tracks. To replace the shelf, with shelf front raised slightly, engage the lugs in tracks. Then lower shelf front until it locks into position.



To remove



To replace

NOTE

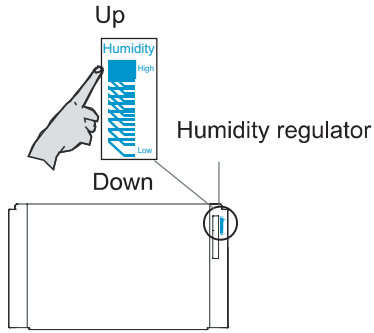
Make sure the shelf is installed securely and in the same level to prevent shelf falling or food spills.

How to User the Crisper

The appliance is equipped with a crisper for vegetable and fruit storage. You can set the humidity to meet your storage needs.

- Turn the humidity regulator (located at the upper right corner of the crisper) up to get a higher humidity suitable for storage of cucumber, grape, kiwifruit and persimmon etc.

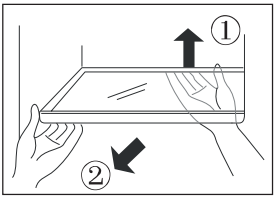
- Turn the humidity regulator (located at the upper right corner of the crisper) down to get a lower humidity suitable for storage of strawberry, orange, bean, garlic, watermelon, plum and tomato etc.



About Refrigerator Compartment

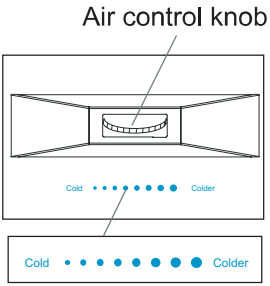
Removing Crisper Cover

Take out the crisper and put it away. Lift up the cover end (1) and remove it (2).



How to Use the Delicatessen Drawer

The appliance is equipped with a delicatessen drawer with a temperature range from -2°C~+3°C. The temperature can be adjusted by the air control knob to meet your storage needs.



- Turn the air control knob leftwards (weak) to reduce the cooled air moving in the delicatessen drawer and maintain a higher temperature;
- Turn the air control knob rightwards (strong) to increase the cooled air moving in the delicatessen drawer and maintain a lower temperature.

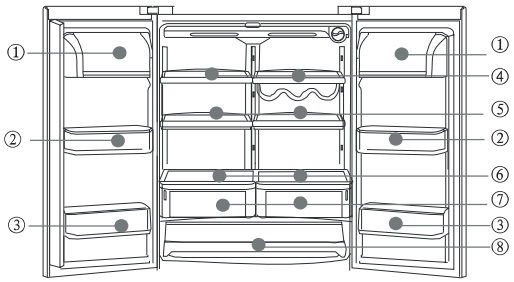
NOTE

In order to prevent damage, do not push the center of delicatessen drawer cover when loading or unloading the refrigerator.
In order to prevent damage, do not operate the air control knob with force.

Food Arrangement

As a result of air circulation in the refrigeration compartment, some areas are warmer and the others are colder. Foods should be organized accordingly.

① Egg, butter and cheese etc.
② Pop cans, canned food, condiments etc.
③ Beverages and bottled food etc.
④ Pickles and canned food etc.
⑤ Sausage and snacks etc.
⑥ Pastries, canned food, milk and bean curd etc.
⑦ Fruit, vegetable and salad etc.
⑧ Delis and sausage etc.



About Refrigerator Compartment

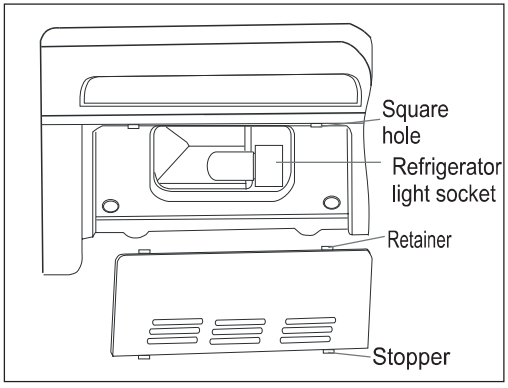
Replacing the Light Bulb

Bulb specifications: 220V~, 25W

Socket: E14 (DO NOT use a bulb over 25W)

To replace the light bulb:

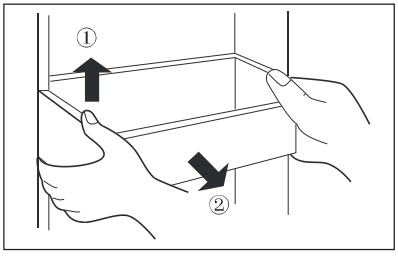
- Unplug the appliance.
- ① To remove the light shield, press the stopper at rear out of the square hole.
  ② Pull the shield backward until the retainer is separated from the square hole.
- Turn the bulb anticlockwise and out. Replace a bulb of the same specifications in the reverse sequence of removal.
- To replace the light shield: Engaged the retainer into the square hole and then press the shield rear forward until the stopper is locked in the square hole.



Light bulb

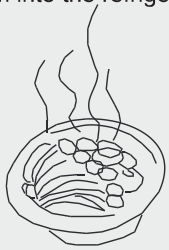
Cleaning door bin

Lift the bin up ① and pull it towards you ② . Replace the bin in the reverse sequence of removal after cleaning.



Storing Food in Refrigerator Compartment

Allow warm foods to cool down before putting them into the refrigerator.

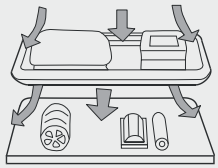


Make sure the food is clean and the extra water is wiped away before storing.

Wrap or cover food before storing.
This will help prevent the loss of water content, keep fruit and vegetable fresh and avoid any unpleasant odor.

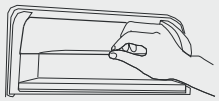
Sorting before storage
Sort the foods by category. For those to be used up soon, place them in the front of the shelf, so as to avoid frequent and prolonged door opens and food deterioration.

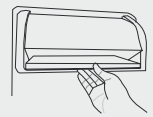
Do not overfill your refrigerator.
Leave enough space between foods stored in the refrigerator to keep good air-circulation for better refrigeration.



Food should be kept away from the inner wall.
Food with high moisture content should be kept away from the inner wall to prevent freezing and sticking to the inner wall.

When loading or unloading the dairy bin, it is safe to open and close the dairy bin in such a way as illustrated below.



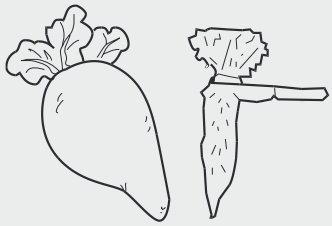


NOTE

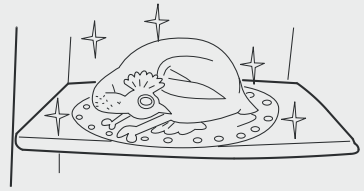
Greasy foods may cause corrosion of lining materials gradually. Keep them away from the walls of inner compartment. Keep the inner compartment clean and free of oil stains.

Useful Tips

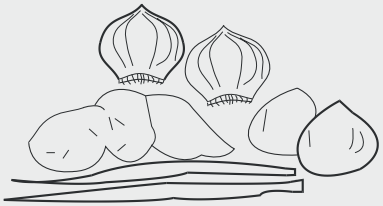
Remove leaves of carrots and radishes before adding them to the refrigerator, thus to prevent nutrition loss.



Thaw frozen food in the refrigerator compartment, this will help cooling food in the refrigerator compartment and save energy.



For food which can maintain freshness under ambient temperature storage, such as onions, garlic, and other roots, it is not necessary to put them in the refrigerator.



Fruits such as rice melon, Chinese quince, sweet melon, banana and pine apple can get ripe faster under lower temperatures, these fruits are not suitable for refrigerated storage unless you need them to ripen sooner.

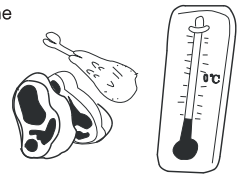
NOTE

When the ambient temperature is within the range of 0～10°C during winter months, the inner temperature of refrigerator compartment is quiet low, i.e. approx. 0°C at the bottom. Therefore, it's recommended to put vegetables and fruits in the upper part of the refrigerator compartment.

About Freezer Compartment

The Freezer is intended for long-term food storage.

The temperature in the freezer is very low, making it ideal for storage of frozen food. Add food expected to be stored for a longer period of time in the freeze, but the expiry date indicated on its packing should be observed.



Ice bin

- It is used to store ice cubes produced by the ice maker.

How to get ice cubes

- Pull out the ice bin entirely, get ice cubes with a spoon or remove the ice bin if necessary.

Usage of Ice Maker

① Preparation

This icemaker can be directly connected to a mineral water fountain through an external water pump for ice making.

- Prepare the hose in proper length, and make sure the hose is not twisted too much. Usually, the hose should have a length less than 5 meters, or otherwise the pressure loss will occur and the production of ice cube will be reduced.
- The hose is not heat resistant and should be kept away from heat sources.
- The hose should be installed by a qualified technician.

② Precautions

- The water pump should be connected to a dedicated outlet that is properly grounded.
- It's prohibited to dismantle or modify the water pump without authorization or damage the water supply line. Repairs of ice maker should be carried out only by qualified technicians.
- In order to avoid the risk of fire, do not use or store gasoline or other flammables near the water pump.
- This water pump is intended to be used with mineral water at room temperature and should not be used with chemicals, juices, beverage with sliced fruits, coffee or high-temperature liquids.
- If not used for a long time, the water pump should be unplugged from the power source.
- Please check from time to time if the mineral water fountain has enough water.
- Do not press, wobble or strike the water pump violently.
- The water pump and the mineral water fountain should be installed on a flat and solid surface.
- Open the small lid of the mineral wter fountain, and replace it with a dust-proof cover. Insert a hose of appropriate length to the bottom of water fountain. The other end of the hose will be connected to the inlet of water pump (with the INLET mark). Connect another hose of appropriate length to the outlet of the water pump (with the OUTLET mark). The other end of the hose will be connected to the inlet of water valve located low on the back.
- Do not install the water hose of ice maker in a place where the temperature may get below 0°C, as it may be frozen.
- Open the water valve to flush the hose with water until water is clear. Check leakage around connectors.
- The ice maker will produce ice cubes only after the temperature becomes -15°C or lower (discard first several batches of ice made, to remove possible foreign matters in the water piping.).
- When installing the refrigerator, make sure that the hose is properly located to avoid damage.
- The icemaker should be installed only by a qualified technician.
- This icemaker is intended to be connected to a drinkable water source.

About Freezer Compartment

③ How to use the icemaker

The ice maker can produce 8 cubes at a time. The icemaking capacity depends on ambient temperature, frequency of door openings and inner temperature of freezer compartment.

NOTE

After the refrigerator is installed and started, allow 24 hours for the freezer compartment to cool down before the initial icemaking.

For initial icemaking, discard the first batches of ice cubes produced. This is also applicable to the case that the icemaker has been laid idle for a long period of time. Arrange ice cubes in the ice bin from time to time to ensure the maximum storage. Eight ice cubes are produced at a time. It's normal that some of them may get frozen to each other.

If this is your first icemaker

You may hear some creaking noise when the icemaker is running. That's normal.

④ If ice cubes have been stored too long

Ice cubes may get gray and off-taste. Please discard old ice cubes and clean the ice bin with warm water regularly. Before replacing the ice bin back, make sure it cools down to ambient temperature and air dries, or otherwise ice cubes may stick to other parts of the icemaker and reduce ice production.

⑤ If ice bin is not used during winter

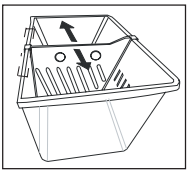
During winter months, if you don't need the icemaker for a long time, please take out ice cubes from the ice bin, and wash the bin with warm water, then replace it back after wiping it dry. Shut of f the water supply to the refrigerator

⑥ If icemaker is not used

If you don't need the icemaker , take down the icemaker shelf and it can be used as freezer room.

■ Adjustable partition wall of freezer drawer

A movable partition wall is provided in the freezer drawer to divide the drawer into two parts. You may move the partition wall right or left to meet your storage needs.



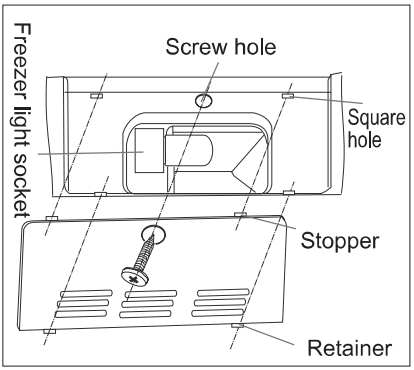
■ Replacing the Light Bulb

Bulb specifications: 220V~, 25W

Socket: E14 (DO NOT use a bulb over 25W)

To replace the light bulb:

- Unplug the appliance.
- ① Remove the front screw with a screwdriver.
- ② To remove the light shield, press the stopper at front out of the square hole.
- ③ Pull the shield forward until the retainer is separated from the square hole.
- Turn the bulb anticlockwise and out. Replace a bulb of the same specifications in the reverse sequence of removal.
- To replace the light shield: Engaged the retainer into the square hole and then press the shield front backward until the stopper is locked in the square hole. Replace and tighten the screw.



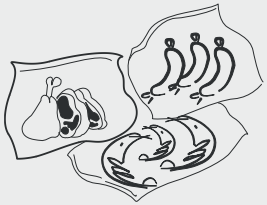
freezer bulb

Storing Food in Freezer Compartment

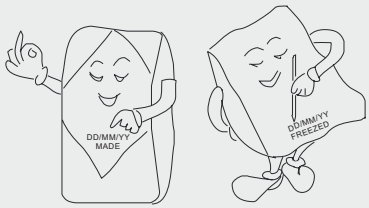
Allow warm foods to cool down before putting them into the freezer.

Store food in smaller packages. This will make it easier to freeze the food fully and provide better quality when the food is thawed. It's recommended that each package should not exceed 2.5kg.

Wrap food before storing. Make sure the wrappings are dry to prevent them from sticking to each other. The wrapping materials used should be odorless, airtight, leak-proof, nontoxic and environmental friendly to prevent unpleasant odor or food deterioration.

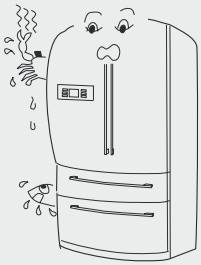


The package of food should indicate information such as name of food, date of storage and expiry date.



Once thawed, food cannot be returned to the freezer unless it has been cooked. Always get frozen food from the freezer for thawing according to actual needs.

Do not put too much fresh food in your freezer. The freezing capacity (as indicated in the Technical Data sheet) should be observed.



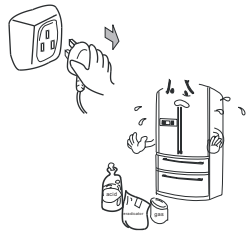
Defrosting • Cleaning

Defrosting Freezer Compartment

The defrost cycle of freezer compartment is automatic and no manual operation is needed.

Cleaning

Clean the inner compartments to get rid of food residues and eliminate unpleasant odors.



- Unplug the appliance before cleaning.
- Use a cloth or sponge to wash the inner compartments with lukewarm water and mild detergent.
- Dry the external surface with a dry cloth.

NOTE

① The appliance is heavy. Protect the finish of flooring if the appliance has to be moved during cleaning and servicing.
② For the sake of electric insulation, do not splash water on the appliance.
③ To clean electric components such as switches and illuminators, make sure the appliance is not connected before cleaning with a dry cloth.
④ When cleaning, do not use sharp or pointed brush, hard cleansers, gasoline, amyl acetate, acetone or other organic solvents, boiled water, acid or alkali.
⑤ Do not touch the cold metal surface when the hands are wet.
⑥ When cleaning, do not use hot water to clean the glass shelves. Glass may get broken due to thermal shock and cause the risk of injury and property loss.
⑦ Clean the door seal from time to time.
⑧ Never use amyl acetate to get rid of any unpleasant odor. That will cause the risk of fire.
⑨ When cleaning, use detergents intended for refrigerator only.

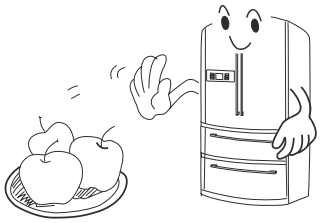
- Clean the door seal from time to time.

Vacation

Power failure

Food can be stored well for several hours in the event of power failure even if it is in summer.

- Do not add foods in the appliance and keep the doors closed as far as possible when there is a power failure.
- If a power failure is announced beforehand, make some extra ice cubes and hold them in a leak-proof container. Place the container on the top shelf in the refrigerator compartment.

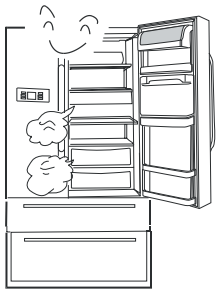


NOTE

Temperature rise in the freezer due to power interruption or other faults may shorten the shelf life and have an adverse effect on food quality.

Stopping Use

Please unplug the appliance and clean it as described above if the appliance will not be used for a long period of time.
Keep the door open to prevent unpleasant odors caused by food residues.



NOTE

To ensure a long service life, do not stop the appliance frequently.

NOTE

After unplugging the appliance, wait 5 minutes at least before connecting it to the power supply again.

Vacation

When leaving for a vacation

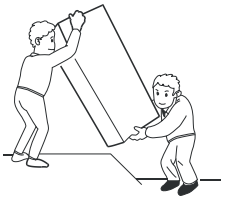
If you are leaving for a long vacation, it's necessary to shut off the power, take out all of the foods, defrost and clean the appliance. Dry the appliance and leave the door open to prevent odors

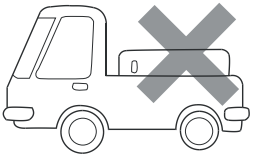
WARNING

A discarded appliance must be disposed by professional personnel, or otherwise may have an undesired impact on environment or give rise to other hazards.

When moving your refrigerator

Unplug the appliance before transportation.
Take out foods from the appliance.
Fix the shelves in refrigerator, crisper and shelves in freezer in position with adhesive tapes.
Keep the door closed during transportation with adhesive tapes.
When moving the refrigerator, it cannot be tilted over 45 degrees (the angle to the vertical direction). Otherwise it may cause the risk of malfunction of the refrigeration system.



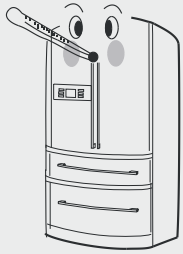


WARNING

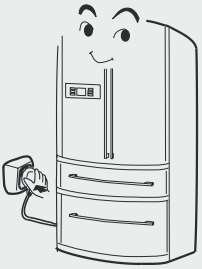
Keep the refrigerator upright other than horizontal.

Troubleshooting Tips

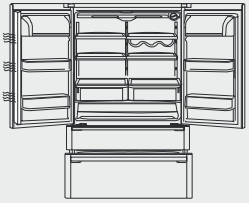
It's normal that when the refrigerator is first plugged in, the compressor operates for long periods or cycles on and off frequently. It would take a longer time for the inner temperature to reach the desired value.



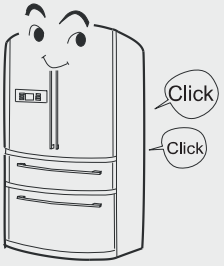
It's normal that the refrigerator is humming when first plugged in or started up. The sound will fade away when the refrigerator is in stable operation.



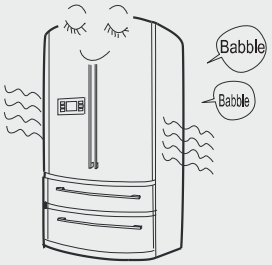
It's normal that the external surface of refrigerator gets warm, especially when first plugged in, as a result of anti-sweat design.



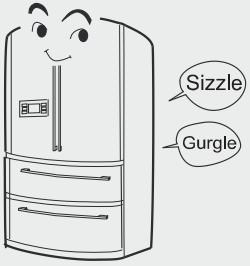
The compressor may cause a humming sound during operation and a clicking sound upon starts and stops.



The flow of refrigerant through the refrigeration coils may make a babbling noise. The noise is usually found at the evaporator and the compressor. When the compressor comes to a stop, the backflow of refrigerant will make a noise like running water from time to time or continuously.

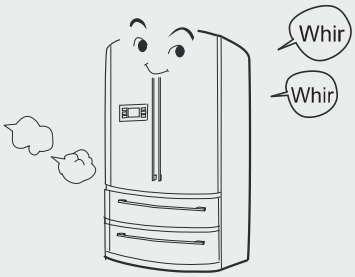


Water dropping on the defrost heater can cause a sizzling or buzzing sound during a defrost cycle. At the end of a defrost cycle, a slight popping sound may be heard, and the evaporator may make a gurgling noise like boiling noise.

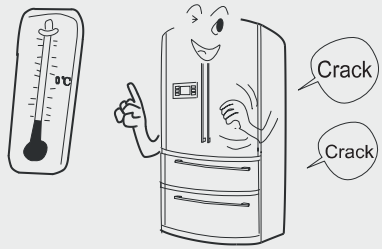


Troubleshooting Tips

It's normal that there is a noise of fan spinning during operation.

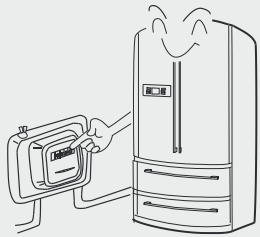


Expansion and contraction of the evaporator and refrigerating coils due to temperature change can cause a cracking or popping sound.

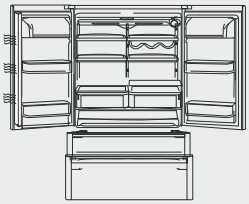


Moisture may form on the outside of refrigerator and between the doors during periods of high humidity.

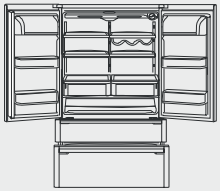
The rated power consumption specified in the Technical Data sheet is measured during a period of 24 hours under stable operation at an ambient temperature of 25°C with the refrigerator and freezer maintained at 5°C and -18°C respectively. The actual power consumption depends on the amount of fresh food stored in the refrigerator.



It's normal that the vertical beam on the left door of refrigerator compartment gets warm after the refrigerator has operated long cycles. The vertical beam contains a heating element to prevent condensation.



When closing the left door of refrigerator compartment, make sure the vertical beam is in the right place (as shown below). Otherwise the door is not closed properly and the inner temperature may rise and finally cause an alarm.



After-sale Service

When calling for service, provide the model name, list of accessories and the series number (described in the nameplate of the product).

Before calling for services, check the following points to see if you can solve the problems yourself.

Refrigerator does not work.

Refrigerator is not connected to the power supply (plug, outlet and fuse) or the power control is set to OFF.

Voltage is too low.

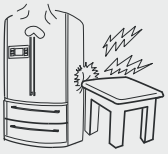
Interior light does not work.

Light bulb has burned out.

Refrigerator is not connected to the power supply.

Unusual noise

Refrigerator is not level.



Refrigerator rubs against the wall or furniture.

Compartments are warmer than expected.

Door is not closed properly, opened frequently or kept open too long.

Temperature is set a warmer setting. (See the Functions section from Page 15 to Page 18.)

The appliance is exposed to direct sunshine or placed near a stove or radiator.

Poor ventilation. Check if the heat radiation unit on the rear is blocked.

After-sale Service

Before calling for services, check the following points to see if you can solve the problems yourself.

Compressor operates for long periods or cycles on and off frequently.

- It's normal when refrigerator is first plugged in.
- A large amount of food is placed in the refrigerator for storage or freezing.
- Door is left open or held open by food package.
- It is hot weather.
- Door is opened frequently.
- Temperature is set a warmer setting. See the Initial
- Use section.
- Poor ventilation

Frost or ice crystals form on food.

- Frost within package is normal.
- Door is left open or held open by food package.
- Door is opened frequently or kept open too long.
- Food is placed near the vent.

Unpleasant odor

- Food with strong odors should be tightly wrapped.
- Food is deteriorated.
- Compartments need cleaning.

Warranty

1.Letter of Warranty: Keep the Letter of Warranty in a safe place. When calling for services, it's necessary to present your Letter of Warranty and the Invoice.

2.1-year free warranty of the overall unit and 3-year free warranty of the main components (from the date of purchase dated on the Invoice)

Packing List

Packing List

Name / Quantity / Model	Letter of Warranty User Manual	Leg	Bottom trim	Handle	Freezer divider	Freezer drawer	Ice bin	Drip tray	Wine shelf	Movable shelf	Refrigerator shelf	Delicatessen drawer	Crisper cover	Crisper	Dairy bin	Gallon bin	Handle fastener	Front cover of delicatessen drawer	Ice spoon
HB21FNN HB21FSS HB21F HR750FD HRF-649F HFD647SS HFD647SSI	1	2	1	4	1	1	1	1	1	2	2	1	1	2	2	4	8	1	1

NOTE: The product specifications are subject to change from time to time due to product improvement without further notice.

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